

WHAT IS CLAIMED IS:

- 1 1. A computer implemented method of providing caller
2 information, said method comprising:
3 receiving a message corresponding to a telephone call,
4 wherein the message includes an initiating caller
5 number and a call recipient number, the telephone call
6 received over a telephone network;
7 retrieving one more caller attributes based upon the
8 initiating caller number; and
9 sending the caller attributes to a call recipient over
10 a computer network, the call recipient corresponding
11 to the call recipient number.
- 1 2. The method of claim 1 further comprising:
2 sending a request that includes one or more requested
3 caller fields, the requested caller fields
4 corresponding to the initiating caller number.
- 1 3. The method of claim 2 further comprising:
2 retrieving a call recipient agreement corresponding to
3 the call recipient number;
4 selecting the requested caller fields included in the
5 call recipient agreement; and
6 including the requested caller fields in the request.
- 1 4. The method of claim 2 wherein the request is received
2 by a service control point, and wherein the service
3 control point is adapted to retrieve the caller
4 attributes from a line information database and send
5 the retrieved caller attributes back to the requestor.

1 5. The method of claim 1 further comprising:
2 receiving an authorization request from an initiating
3 caller prior to receiving the message, wherein the
4 authorization request includes authorizations that
5 identify one or more call recipients and caller data
6 that are authorized to be sent to the identified call
7 recipients, the initiating caller corresponding to the
8 initiating caller number; and
9 storing the authorizations in an authorization table
10 entry.

1 6. The method of claim 5 further comprising:
2 identifying one or more requested caller fields
3 corresponding to the initiating caller number;
4 detecting whether one of the requested caller fields
5 corresponds to sensitive caller data, the sensitive
6 caller data corresponding to the initiating caller
7 number;
8 checking one or more authorization table entries
9 corresponding to the initiating caller number in
10 response to the detecting;
11 determining whether the call recipient is authorized
12 to receive the sensitive caller data in response to
13 the checking;
14 including one or more of the requested caller fields
15 in a request in response to the determination; and
16 sending the request to a service control point.

1 7. The method of claim 6 further comprising:

2 logging a caller data discrepancy in response to the
3 determining, the caller data discrepancy including the
4 requested caller fields corresponding to the sensitive
5 caller data.

1 8. The method of claim 5 wherein the authorization
2 request includes a PIN, the method further comprising:
3 retrieving a stored PIN; and
4 comparing the received PIN with the stored PIN wherein
5 the receiving of authorizations is performed in
6 response to successful comparison.

1 9. The method as described in claim 5 wherein at least
2 one of the authorizations is selected from the group
3 consisting of a birth date, billing information, and a
4 social security number.

1 10. The method of claim 1 further comprising:
2 determining that a call recipient agreement does not
3 exist corresponding to the call recipient;
4 retrieving a counter corresponding to the call
5 recipient;
6 incrementing the counter; and
7 storing the incremented counter.

1 11. The method of claim 1 further comprising:
2 sending the telephone call to the call recipient over
3 the telephone network.

1 12. The method of claim 1 wherein the computer network is
2 a TCP/IP network.

1 13. The method of claim 12 wherein the TCP/IP network
2 includes the Internet.

1 14. The method of claim 1 wherein the caller attributes
2 are selected from the group consisting of a name, an
3 address, billing information, service preferences, a
4 birth date, and a social security number.

1 15. An information handling system comprising:
2 one or more processors;
3 a memory accessible by the processors;
4 one or more nonvolatile storage devices accessible by
5 the processors;
6 a telephone network;
7 a computer network; and
8 a caller information tool for providing caller
9 information, the caller information tool comprising
10 software code effective to:

11 receive a message corresponding to a
12 telephone call, wherein the message includes
13 an initiating caller number and a call
14 recipient number, the telephone call
15 received over the telephone network;

16 retrieve one more caller attributes from one
17 of the nonvolatile storage devices based
18 upon the initiating caller number; and

19 send the caller attributes to a call
20 recipient over the computer network, the

21 call recipient corresponding to the call
22 recipient number.

1 16. The information handling system of claim 15 wherein
2 the software code is further effective to:
3 send a request that includes one or more requested
4 caller fields, the requested caller fields
5 corresponding to the initiating caller number.

1 17. The information handling system of claim 16 wherein
2 the software code is further effective to:
3 retrieve a call recipient agreement corresponding to
4 the call recipient number from one of the nonvolatile
5 storage devices;
6 select the requested caller fields included in the
7 call recipient agreement; and
8 include the requested caller fields in the request.

1 18. The information handling system of claim 16 wherein
2 the request is received by a service control point,
3 and wherein the service control point is adapted to
4 retrieve the caller attributes from a line information
5 database and send the retrieved caller attributes back
6 to the requestor.

1 19. The information handling system of claim 15 wherein
2 the software code is further effective to:
3 receive an authorization request from an initiating
4 caller prior to receiving the message, wherein the
5 authorization request includes authorizations that
6 identify one or more call recipients and caller data

that are authorized to be sent to the identified call recipients, the initiating caller corresponding to the initiating caller number; and

store the authorizations in an authorization table entry located in one of the nonvolatile storage devices.

20. The information handling system of claim 19 wherein the software code is further effective to:
identify one or more requested caller fields corresponding to the initiating caller number;

detect whether one of the requested caller fields corresponds to sensitive caller data, the sensitive caller data corresponding to the initiating caller number;

check one or more authorization table entries located in one of the nonvolatile storage devices corresponding to the initiating caller number in response to the detecting;

determine whether the call recipient is authorized to receive the sensitive caller data in response to the checking;

include one or more of the requested caller fields in a request in response to the determination; and

send the request to a service control point.

21. The information handling system of claim 20 wherein the software code is further effective to:

3 log a caller data discrepancy in one of the
4 nonvolatile storage devices in response to the
5 determining, the caller data discrepancy including the
6 requested caller fields corresponding to the sensitive
7 caller data.

1 22. The information handling system of claim 19 wherein
2 the authorization request includes a PIN, and wherein
3 the software code is further effective to:
4 retrieve a stored PIN from one of the nonvolatile
5 storage devices; and
6 compare the received PIN with the stored PIN wherein
7 the receiving of authorizations is performed in
8 response to successful comparison.

1 23. The information handling system as described in claim
2 19 wherein at least one of the authorizations is
3 selected from the group consisting of a birth date,
4 billing information, and a social security number.

1 24. The information handling system of claim 15 wherein
2 the software code is further effective to:
3 determine that a call recipient agreement does not
4 exist corresponding to the call recipient;
5 retrieve a counter corresponding to the call recipient
6 from one of the nonvolatile storage devices;
7 increment the counter; and
8 store the incremented counter in one of the
9 nonvolatile storage devices.

1 25. The information handling system of claim 15 wherein
2 the software code is further effective to:
3 send the telephone call to the call recipient over the
4 telephone network.

1 26. The information handling system of claim 15 wherein
2 the computer network is a TCP/IP network.

1 27. The information handling system of claim 12 wherein
2 the TCP/IP network includes the Internet.

1 28. The information handling system of claim 15 wherein
2 the caller attributes are selected from the group
3 consisting of a name, an address, billing information,
4 service preferences, a birth date, and a social
5 security number.

1 29. A computer program product stored on a computer
2 operable media for providing caller information, said
3 computer program product comprising software code
4 effective to:
5 receive a message corresponding to a telephone call,
6 wherein the message includes an initiating caller
7 number and a call recipient number, the telephone call
8 received over a telephone network;
9 retrieve one more caller attributes based upon the
10 initiating caller number; and
11 send the caller attributes to a call recipient over a
12 computer network, the call recipient corresponding to
13 the call recipient number.

- 1 30. The computer program product of claim 29 wherein the
2 software code is further effective to:
3 send a request that includes one or more requested
4 caller fields, the requested caller fields
5 corresponding to the initiating caller number.
- 1 31. The computer program product of claim 30 wherein the
2 software code is further effective to:
3 retrieve a call recipient agreement corresponding to
4 the call recipient number;
5 select the requested caller fields included in the
6 call recipient agreement; and
7 include the requested caller fields in the request.
- 1 32. The computer program product of claim 30 wherein the
2 request is received by a service control point, and
3 wherein the service control point is adapted to
4 retrieve the caller attributes from a line information
5 database and send the retrieved caller attributes back
6 to the requestor.
- 1 33. The computer program product of claim 29 wherein the
2 software code is further effective to:
3 receive an authorization request from an initiating
4 caller prior to receiving the message, wherein the
5 authorization request includes authorizations that
6 identify one or more call recipients and caller data
7 that are authorized to be sent to the identified call
8 recipients, the initiating caller corresponding to the
9 initiating caller number; and

10 store the authorizations in an authorization table
11 entry.

1 34. The computer program product of claim 33 wherein the
2 software code is further effective to:
3 identify one or more requested caller fields
4 corresponding to the initiating caller number;
5 detect whether one of the requested caller fields
6 corresponds to sensitive caller data, the sensitive
7 caller data corresponding to the initiating caller
8 number;
9 check one or more authorization table entries
10 corresponding to the initiating caller number in
11 response to the detecting;
12 determine whether the call recipient is authorized to
13 receive the sensitive caller data in response to the
14 checking;
15 include one or more of the requested caller fields in
16 a request in response to the determination; and
17 send the request to a service control point.

1 35. The computer program product of claim 34 wherein the
2 software code is further effective to:
3 log a caller data discrepancy in response to the
4 determining, the caller data discrepancy including the
5 requested caller fields corresponding to the sensitive
6 caller data.

1 36. The computer program product of claim 33 wherein the
2 authorization request includes a PIN, and wherein the
3 software code is further effective to:
4 retrieve a stored PIN; and
5 compare the received PIN with the stored PIN wherein
6 the receiving of authorizations is performed in
7 response to successful comparison.

1 37. The computer program product as described in claim 33
2 wherein at least one of the authorizations is selected
3 from the group consisting of a birth date, billing
4 information, and a social security number.

1 38. The computer program product of claim 29 wherein the
2 software code is further effective to:
3 determine that a call recipient agreement does not
4 exist corresponding to the call recipient;
5 retrieve a counter corresponding to the call
6 recipient;
7 increment the counter; and
8 store the incremented counter.

1 39. The computer program product of claim 29 wherein the
2 software code is further effective to:
3 send the telephone call to the call recipient over the
4 telephone network.

1 40. The computer program product of claim 29 wherein the
2 computer network is a TCP/IP network.

1 41. The computer program product of claim 40 wherein the
2 TCP/IP network includes the Internet.

1 42. The computer program product of claim 29 wherein the
2 caller attributes are selected from the group
3 consisting of a name, an address, billing information,
4 service preferences, a birth date, and a social
5 security number.

1 43. A computer implemented method of providing caller
2 information, said method comprising:
3 receiving a message corresponding to a telephone call,
4 wherein the message includes an initiating caller
5 number and a call recipient number, the telephone call
6 received over a telephone network;
7 retrieving the name of the initiating caller and one
8 or more additional caller attributes corresponding to
9 the initiating caller; and
10 sending the additional caller attributes to a call
11 recipient over the telephone network, the call
12 recipient corresponding to the call recipient number.

1 44. The method of claim 43 wherein at least one of the
2 additional caller attributes is selected from the
3 group consisting of an address, billing information,
4 service preferences, a birth date, and a social
5 security number.

1 45. The method of claim 43 wherein the call recipient is
2 adapted to display one or more of the additional
3 caller attributes on a display.

4 46. An information handling system comprising:
5 one or more processors;
6 a memory accessible by the processors;
7 one or more nonvolatile storage devices accessible by
8 the processors;
9 a telephone network; and
10 a caller information tool for providing caller
11 information, the caller information tool comprising
12 software code effective to:
13 receive a message corresponding to a
14 telephone call, wherein the message includes
15 an initiating caller number and a call
16 recipient number, the telephone call
17 received over the telephone network;
18 retrieve the name of the initiating caller
19 and one or more additional caller attributes
20 corresponding to the initiating caller from
21 one of the nonvolatile storage devices; and
22 send the additional caller attributes to a
23 call recipient over the telephone network,
24 the call recipient corresponding to the call
25 recipient number.

1 47. The information handling system of claim 46 wherein at
2 least one of the additional caller attributes is
3 selected from the group consisting of an address,
4 billing information, service preferences, a birth
5 date, and a social security number.

1 48. The information handling system of claim 46 wherein
2 the call recipient is adapted to display one or more
3 of the additional caller attributes on a display.

1 49. A computer program product stored on a computer
2 operable media for providing caller information, said
3 computer program product comprising software code
4 effective to:
5 receive a message corresponding to a telephone call,
6 wherein the message includes an initiating caller
7 number and a call recipient number, the telephone call
8 received over a telephone network;
9 retrieve the name of the initiating caller and one or
10 more additional caller attributes corresponding to the
11 initiating caller; and
12 send the additional caller attributes to a call
13 recipient over the telephone network, the call
14 recipient corresponding to the call recipient number.

1 50. The computer program product of claim 49 wherein at
2 least one of the additional caller attributes is
3 selected from the group consisting of an address,
4 billing information, service preferences, a birth
5 date, and a social security number.

1 51. The computer program product of claim 51 wherein the
2 call recipient is adapted to display one or more of
3 the additional caller attributes on a display.